FORM PTO-1449 — U.S. Dept. of Commerce, Patent and Trademark Office

Atty Docket No.	Serial No.
P1405R1C1	not assigned
Applicant: de Sauvage et al.	
Filing Date: 20 Nov 2001	Group: 1

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
RKH	* 1	09/031,563		~~Zhang et al.~~ de Sauvage et al.			26.02.98
RKH	* 2	4,816,567	28.03.89	Cabilly et al.			
RKH	* 3	5,225,539	06.07.93	Winter, G.			

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes	Translation No
RKH	* 4	EP 0 879 888	25.11.98	EPO				
	* 5	WO 95/18856	13.07.95	PCT				
	* 6	WO 96/11260	18.04.96	PCT				
	* 7	WO 97/45541	04.12.97	PCT				
RKH	* 8	WO 99/29854	17.06.99	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

RKH	* 9	Alcedo et al., "The Drosophila smoothened Gene Encodes a Seven-Pass Membrane Protein, a Putative Receptor for the Hedgehog Signal" Cell 86:221-232 (1996)
	*10	Apelqvist et al., "Sonic hedgehog directs specialised mesoderm differentiation in the intestine and pancreas" Current Biology 7(10):801-804 (Oct 1, 1997)
	*11	Bellusci et al., "Involvement of Sonic hedgehog (Shh) in mouse embryonic lung growth and morphogenesis" Development 124(1):53-63 (Jan 1997)
	*12	Bitgood et al., "Hedgehog and Bmp genes are coexpressed at many diverse sites of cell-cell interaction in the mouse embryo" Developmental Biology 172(1):126-138 (Nov 1995)
	*13	Bitgood et al., "Sertoli Cell Signaling by Desert Hedgehog Regulates the Male Germline" Current Biology 6(3):298-304 (1996)
	*14	Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions" Science 247:1306-1310 (1990)
	*15	Carpenter, D. et al., "Characterization of two patched receptors for the vertebrate hedgehog protein family" Proc. Natl. Acad. Sci. USA 95(23):13630-13634 (1998)
	*16	Chen and Struhl, "Dual roles for patched in sequestering and transducing Hedgehog" Cell 87(3):553-563 (Nov 1, 1996)
	*17	Echelard et al., "Sonic hedgehog, a member of a family of putative signaling molecules, is implicated in the regulation of CNS polarity" Cell 75:1417-1430 (1993)
	*18	Ericson et al., "Sonic hedgehog induces the differentiation of ventral forebrain neurons: a common signal for ventral patterning within the neural tube" Cell 81(5):747-756 (Jun 2, 1995)
	*19	Fan et al., "Patterning of mammalian somites by surface ectoderm and notochord: evidence for sclerotome induction by a hedgehog homolog" Cell 79(7):1175-1186 (Dec 30, 1994)
	*20	Fujiwara et al. (GenBank Accession No. D60589) (May 21, 1996)
RKH	*21	Gailani et al., "The role of the human homologue of Drosophila patched in sporadic basal cell carcinomas" Nature Genetics 14:78-81 (Sept 1996)

Examiner: Rachel K. Hummel — Date Considered: 12/14/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Dept. of Commerce Patent and Trademark Office

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Atty Docket No.	Serial No.
P1405R1C1	not assigned
Applicant: de Sauvage et al.	
Filing Date: 20 Nov 2001	Group: 1

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

RKH	*22	Goodrich et al., "Conservation of the hedgehog/patched signaling pathway from flies to mice: induction of a mouse patched gene by Hedgehog" Genes Dev. 10(3):301-312 (1996)
	*23	Hahn et al., "Mutations of the Human Homolog of Drosophila Patched in the Nevoid Basal Cell Carcinoma Syndrome" Cell 85:841-851 (1996)
	*24	Hynes et al., "Control of cell pattern in the neural tube by the zinc finger transcription factor and oncogene Gli-1" Neuron 19(1):15-26 (Jul 1997)
	*25	Johnson et al., "Ectopic expression of Sonic hedgehog alters dorsal-ventral patterning of somites" Cell 79:1165-1173 (1994)
	*26	Johnson et al., "Human Homolog of Patched, a Candidate Gene for the Basal Cell Nevus Syndrome" Science 272:1668-1671 (1996)
	*27	Jones, P.T. et al., "Replacing the Complementarity-determining Regions in a Human Antibody with Those From a Mouse" Nature 321:522-525 (May 29, 1986)
	*28	Krauss et al., "A functionally conserved homolog of the Drosophila segment polarity gene hh is expressed in tissues with polarizing activity in zebrafish embryos" Cell 75:1431-1444 (1993)
	*29	Laufer et al., "Sonic hedgehog and Fgf-4 act through a signaling cascade and feedback loop to integrate growth and patterning of the developing limb bud" Cell 79(6):993-1003 (Dec 16, 1994)
	*30	Marigo et al., "Biochemical evidence that patched is the Hedgehog receptor" Nature 384(6605):176-179 (Nov 14, 1996)
	*31	Marigo et al., "Conservation in hedgehog signaling: induction of a chicken patched homolog by Sonic hedgehog in the developing limb" Development 122:1225-1233 (1996)
	*32	Marti et al., "Requirement of 19K form of Sonic hedgehog for induction of distinct ventral cell types in CNS explants" Nature 375(6529):322-325 (May 25, 1995)
	*33	Morrison et al., "Chimeric Human Antibody Molecules: Mouse Antigen-binding Domains with Human Constant Region Domains" Proc. Natl. Acad. Sci. USA 81:6851-6855 (November 1984)
	*34	Motoyama et al., "Ptch2, a second mouse Patched gene is co-expressed with Sonic hedgehog" Nature Genetics 18(2):104-106 (Feb 1998)
RKH	*35	Nakano et al., "A protein with several possible membrane-spanning domains encoded by the Drosophila segment polarity gene patched" Nature 341:508-513 (1989)
	*36	Ngo et al., "The Protein Folding Problem and Tertiary Structure" pps. 492-495
RKH	*37	Nusslein-Volhard et al., "Mutations Affecting the Pattern of the Larval Cuticle in Drosophila Melanogaster" Roux's Archives of Developmental Biology 193(5):267-282 (1984)
	*38	Oro et al., "Basal cell carcinomas in mice overexpressing sonic hedgehog" Science 276(5313):817-821 (May 2, 1997)
	*39	Perrimon, N., "Hedgehog and Beyond" Cell 80:517-520 (1995)
	*40	Presta, L., "Antibody Engineering" Curr. Op. Struct. Biol. 2:593-596 (1992)
RKH	*41	Rassoulzadegan et al., "Transmeiotic differentiation of male germ cells in culture" Cell 75(5):997-1006 (Dec 3, 1993)

Examiner: Rachel K. Hammett Date Considered: 12/14/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Dept. of Commerce Patent and Trademark Office

Atty Docket No.	Serial No.
P1405R1C1	not assigned
Applicant: de Sauvage et al.	
Filing Date: 20 Nov 2001	Group: 1

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

RKH	*42	Riddle et al., "Sonic hedgehog mediates the polarizing activity of the ZPA" Cell 75:1401-1416 (1993)
	*43	Riechmann, L. et al., "Reshaping Human Antibodies for Therapy." Nature 332:323-329 (Mar 24, 1988)
	*44	Roberts et al., "Sonic hedgehog is an endodermal signal inducing Bmp-4 and Hox genes during induction and regionalization of the chick hindgut" Development 121:3163-3174 (1995)
	*45	Stone et al., "The tumour-suppressor gene patched encodes a candidate receptor for Sonic hedgehog" Nature 384(14):129-134 (Nov 1996)
	*46	Summersgill et al., "Molecular cytogenetic analysis of adult testicular germ cell tumours and identification of regions of consensus copy number change" British Journal of Cancer 77(2):305-313 (1998)
	*47	Symth et al. Human Molecular Genetics 8(2):291-297 (1999)
	*48	Takabatake, T. et al., "Hedgehog and patched gene expression in adult ocular tissues" FEBS Letters 410:485-489 (1997)
	*49	Vortkamp et al., "Regulation of rate of cartilage differentiation by Indian hedgehog and PTH-related protein" Science 273:613-622 (1996)
	*50	Wallis, G., "Bone growth: Coordinating chondrocyte differentiation" Current Biology 6(12):1577-1580 (1996)
	*51	Wicking and Bale, "Molecular basis of the nevoid basal cell carcinoma syndrome" Current Opinion in Pediatrics 9:630-635 (1997)
	*52	Xie et al., "Activating Smoothened mutations in sporadic basal-cell carcinoma" Nature 391(6662):90-92 (Jan 1, 1998)
	*53	Xie et al., "Mutations of the PATCHED gene in several types of sporadic extracutaneous tumors" Cancer Research 57(12):2369-2372 (Jun 15, 1997)
	*54	Zaphiropoulos, P.G. et al., "PTCH2, a novel human patched gene undergoing alternative splicing and up-regulated in basal cell carcinomas" Cancer Research 59:787-792 (1999)
	*55	de Jong et al., "Pathogenesis of adult testicular germ cell tumors. A cytogenetic model" Cancer Genetics & Cytogenetics 48(2):143-167 (Sep 1990)
RKH	*56	van den Heuvel and Ingham, "Smoothened Encodes a Receptor-Like Serpentine Protein Required for Hedgehog Signalling" Nature 382:547-551 (1996)

Examiner: Rachel K. Hamnett Date Considered: 12/14/04

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.